

Maryland Historical Trust

Maryland Inventory of Historic Properties number: CA22-1482

Name: Stone Chapel Rd over Little Pipe Crk

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended <u>X</u>	Eligibility Not Recommended _____
Criteria: <u>  </u> A <u>  </u> B <u>X</u> C <u>  </u> D Considerations: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D <u>  </u> E <u>  </u> F <u>  </u> G <u>  </u> None	
Comments: _____ _____ _____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

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Maryland Inventory of Historic Properties  
Historic Bridge Inventory  
Maryland State Highway Administration  
Maryland Historical Trust

MHT Number CARR-1482

Name and SHA No. Stone Chapel Road over Little Pipe Creek/CL363

**Location:**

Street/Road Name and Number: Stone Chapel Road

City/Town: Avondale Vicinity x

County: Carroll

Ownership: State x County    Municipal    Other   

This bridge projects over:    Road    Railway x Water    Land   

Is the bridge located within a designated district:    yes x no   

   NR listed district    NR determined eligible district

   locally designated    other   

Name of District                                   

**Bridge Type:**

   Timber Bridge  
   Beam Bridge    Truss-Covered    Trestle  
   Timber-and-Concrete

   Stone Arch

   Metal Truss

   Movable Bridge  
   Swing    Bascule Single Leaf    Bascule Multiple Leaf  
   Vertical Lift    Retractable    Pontoon

x Metal Girder  
   x Rolled Girder    Rolled Girder Concrete Encased  
   Plate Girder    Plate Girder Concrete Encased

☐ Metal Suspension☐ Metal Arch☐ Metal Cantilever☐ Concrete☐ Concrete Arch ☐ Concrete Slab ☐ Concrete Beam☐ Rigid Frame☐ Other Type Name \_\_\_\_\_**Description:**

**Describe Setting:** CL363 carries Stone Chapel Road over Little Pipe Creek in Carroll County, Maryland. Stone Chapel Road runs in a generally north-south direction at this location; Little Pipe Creek flows generally east-west. The bridge is located in a rural setting. There is a 20th century townhouse development, several residences and an evergreen farm visible from the bridge. Little Pipe Creek has a wooded channel bank at this location.

**Describe Superstructure and Substructure:** CL363 is a single span steel beam bridge with a concrete deck and bituminous concrete wearing surface on the roadway. There is a single strand W-beam guardrail mounted on wide flange steel beam posts mounted on a concrete curb. The approach roadway is paved with asphalt, and there is a continuous W-beam guardrail on both sides of the bridge deck and on the approaches.

The superstructure is supported by concrete abutments and wing walls. There is slight scouring on the southern abutment. The west elevation has a wooden cattle guard attached to the exterior beam.

The 1995 inspection report lists the bridge as being in satisfactory to good condition, with hairline cracks and spalled concrete on the underside of the deck, rust and peeling paint, and some minor cracks and spalls in the abutments and wing walls. The report recommends cleaning and painting of the underside of the deck, and minor repairs to the abutments. It also recommends placing rip rap with geotextile fabric around the east end of the south abutment to protect it against further scour.

**Discuss Major Alterations:** There is no documentary evidence in any of the county bridge files to indicate that major alterations have been made to CL363. There has been routine maintenance done to the structure over the past years.

**History:****When Built:** 1936**Why Built:** local transportation needs**Who Built:****Why Altered:** n/a**Was this bridge built as part of an organized bridge building campaign:** yes

**Surveyor Analysis:**

**This bridge may have NR significance for association with:**

- ☐ A Events    ☐ B Person  
☐ C Engineering/Architectural

**Was this bridge constructed in response to significant events in Maryland or local history:** It is not likely that CL363 was constructed for any reason other than the need for a more stable structure at this particular crossing of Little Pipe Creek.

**When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area:** Construction of CL363 would have allowed a heavier live load to pass this bridge on Stone Chapel Road, but it probably did not have a significant impact on growth or development in the area.

**Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district:** This area is not eligible for historic designation.

**Is the bridge a significant example of its type:** CL363 may be considered a significant example of its type because of its good condition and lack of major alterations.

**Does the bridge retain integrity of the important elements described in the Context Addendum:** The rolled longitudinal I-beams, a primary character defining element, have never been replaced. The same is true for the floor system and deck, both secondary character defining elements. Minor repairs have been made to the beams, as well as cleaning and painting.

Concrete abutments are considered primary character defining elements. The abutments of CL363 have never had any major repair work done to them either. Minor cracks and spalling have been repaired on a routine basis.

Because of the lack of major alterations, and the fact that the bridge is still in good condition may indicate that CL363 does retain its original integrity.

**Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why:** CL363 is a typical steel beam and concrete abutment bridge of the early 20th century, and is not particular to any one manufacturer, designer or engineer.

**Should this bridge be given further study before significance analysis is made and why:** CL363 may warrant further study, or comparison to other steel beam bridges in the area, before significance analysis is completed.

**Bibliography:**

Carroll County

v.d. Bridge Inspection Files.

Greiner, Inc.

1995 Historic Bridge Inventory Form.

Spero, P.A.C. & Company, and Louis Berger & Associates

1994 Historic Bridges in Maryland: Historic Bridge Context.

United States Geological Survey

1953 7.5' New Windsor Quadrangle, photorevised 1971.

**Surveyor:**

**Name:** Stephanie L. Bandy **Date:** September 1995

**Organization:** State Highway Admin. **Telephone:** (410) 321-2213

**Address:** 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges

Bridge Type Metal Girder

Map B-11 Westminster

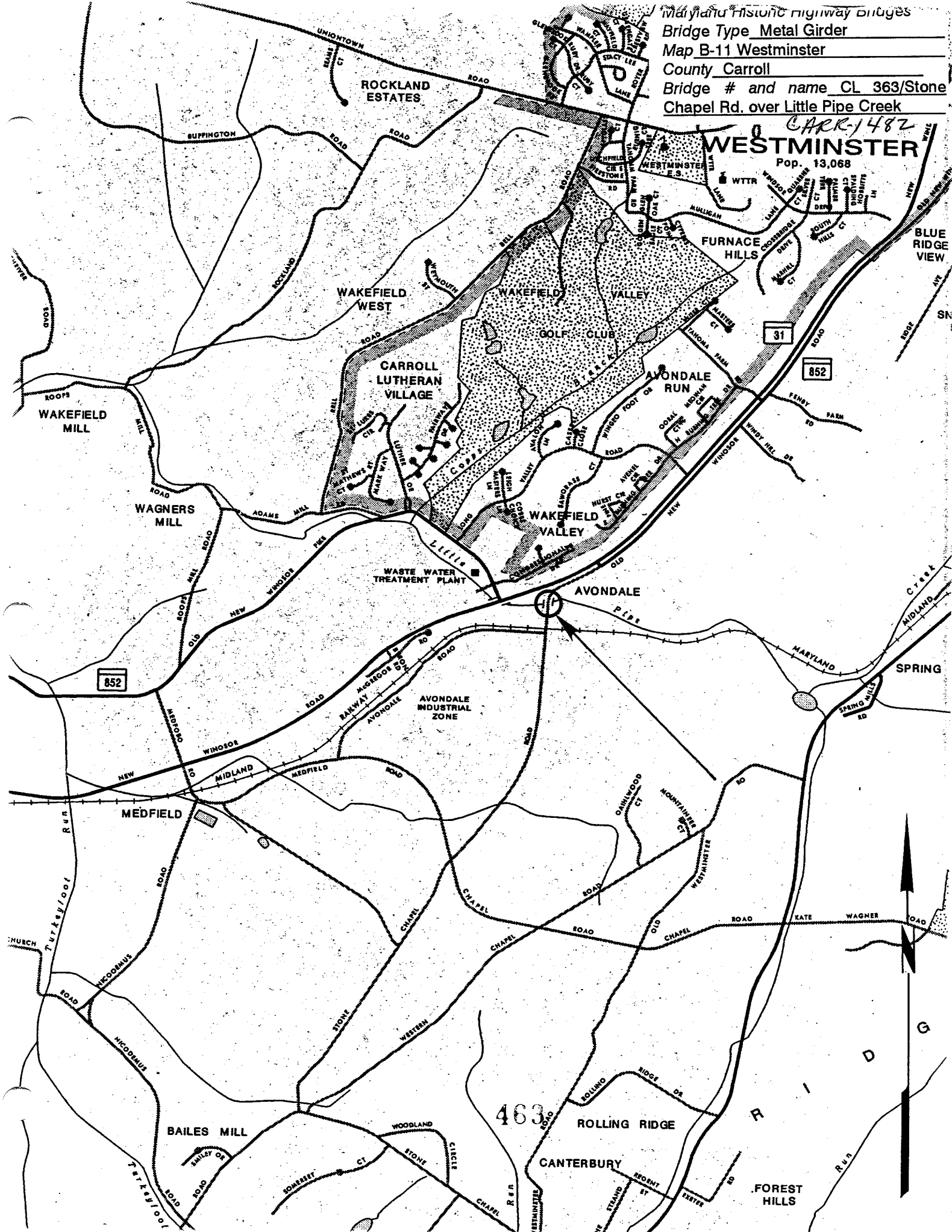
County Carroll

Bridge # and name CL 363/Stone  
Chapel Rd. over Little Pipe Creek

CARR-1482

WESTMINSTER

Pop. 13,068





Inventory # CARR-1482

CL363

Name Stone Chapel Rd. over Little Pipe Creek

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2-95

Location of Negative SHA

Description north approach looking south

Number 130 of 329

12 \* 04 13





Inventory # CARR-1482

CL 363

Name Stone Chapel Rd. over Little Pipe Cr.

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2-95

Location of Negative SHA

Description east elevation looking west

Number 2 of 4  
31 of 32

10.01



Inventory # CARR-1482

CL 363

Name Stone Chapel Rd. over Little Pipe Creek

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2-95

Location of Negative SHA

Description west elevation looking east

Number 3 of 32<sup>4</sup>

22-0111F



WEIGHT  
LIMIT

AXLE WEIGHT	10,000
GROSS WEIGHT	18,000
GROSS WEIGHT	20,000

Inventory # CARR-1482

CL363

Name Stone Chapel Rd. over Little Pipe Creek

County/State Carroll Co. Md.

Name of Photographer D. Diel

Date 2-95

Location of Negative SHA

Description South approach looking north

Number 4 of 29

(S) 0100